FIG. 1
PRIOR ART

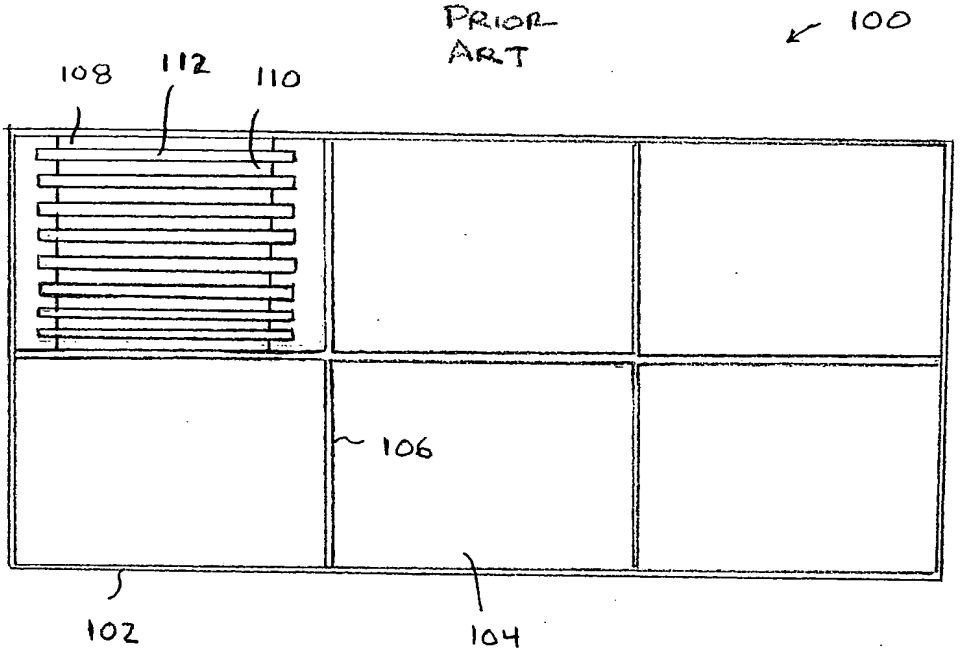


FIG. 2

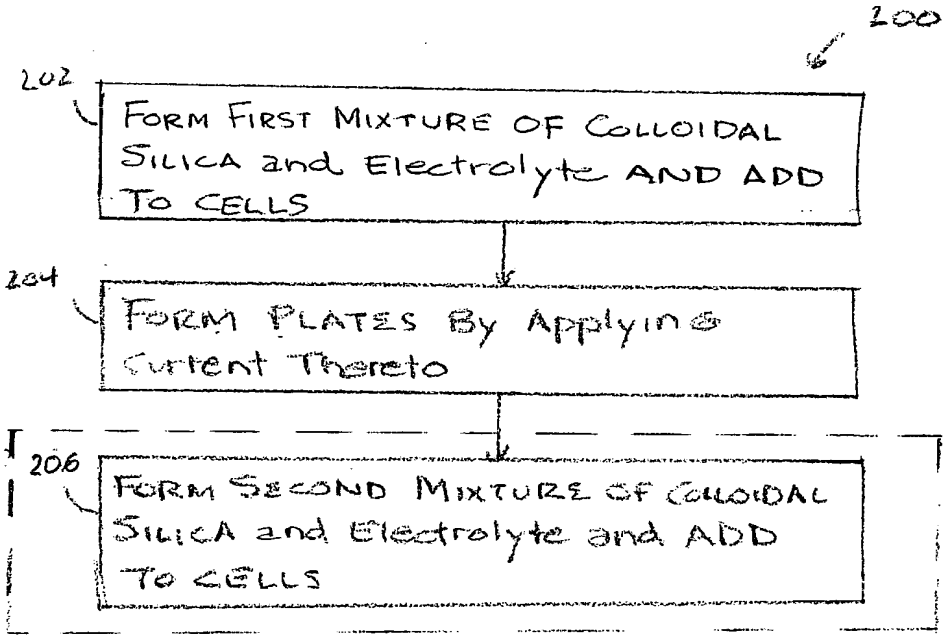
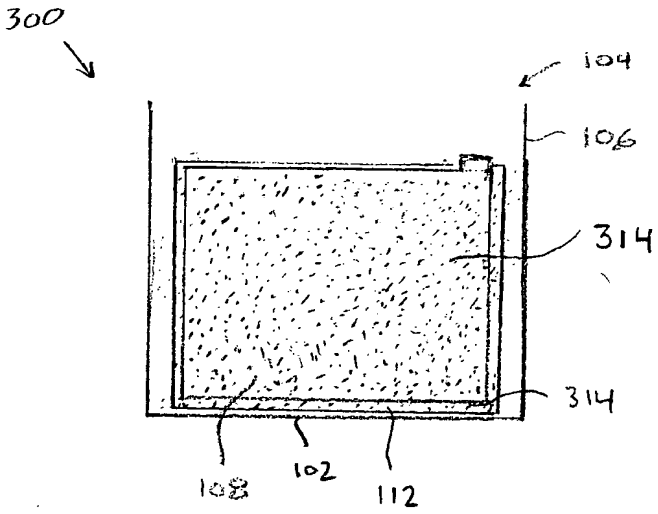

200
202
FORM FIRST MIXTURE OF COLLOIDAL SILICA and Electrolyte AND ADD TO CELLS
204
FORM PLATES BY Applying Current Thereto
206
FORM SECOND MIXTURE OF COLLOIDAL SILICA and Electrolyte and ADD TO CELLS

FIG. 3


300
104
106
314
314
108
102
112

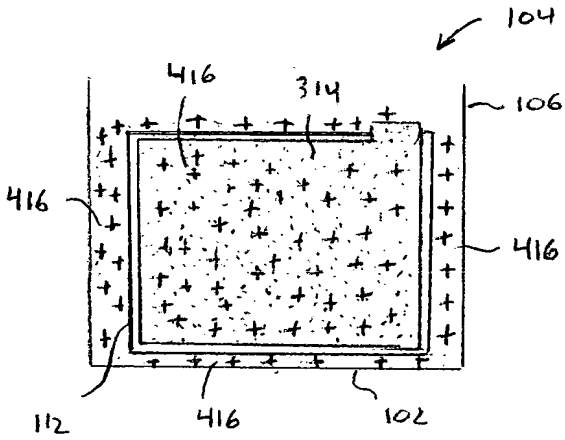

104
416
314
106
416
416
112
416
102

FIG. 4

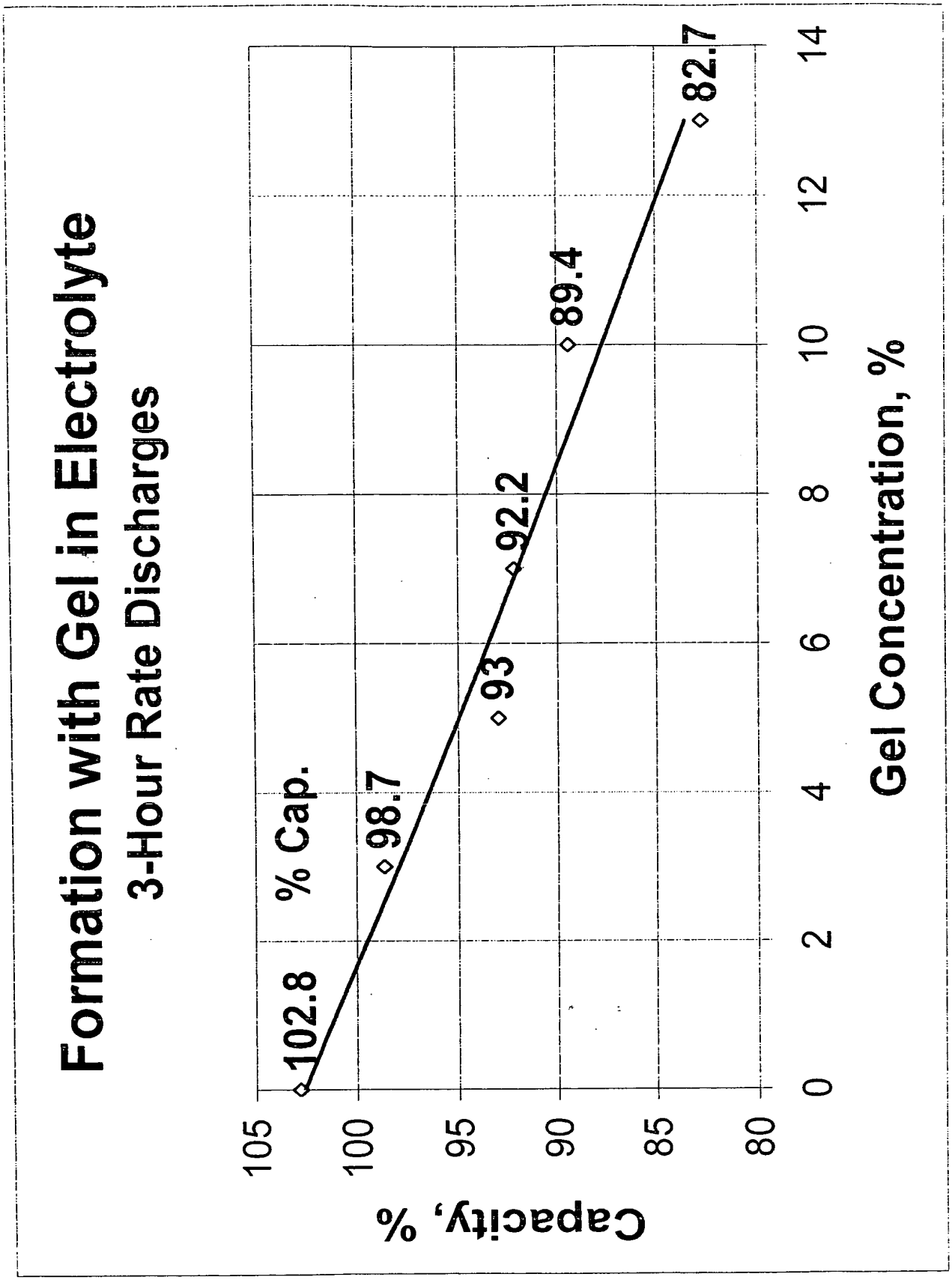

Formation with Gel in Electrolyte
3-Hour Rate Discharges
% Cap.
102.8
98.7
93
92.2
89.4
82.7
Capacity, %
105
100
95
90
85
80
0
2
4
6
8
10
12
14
Gel Concentration, %

FIG 5

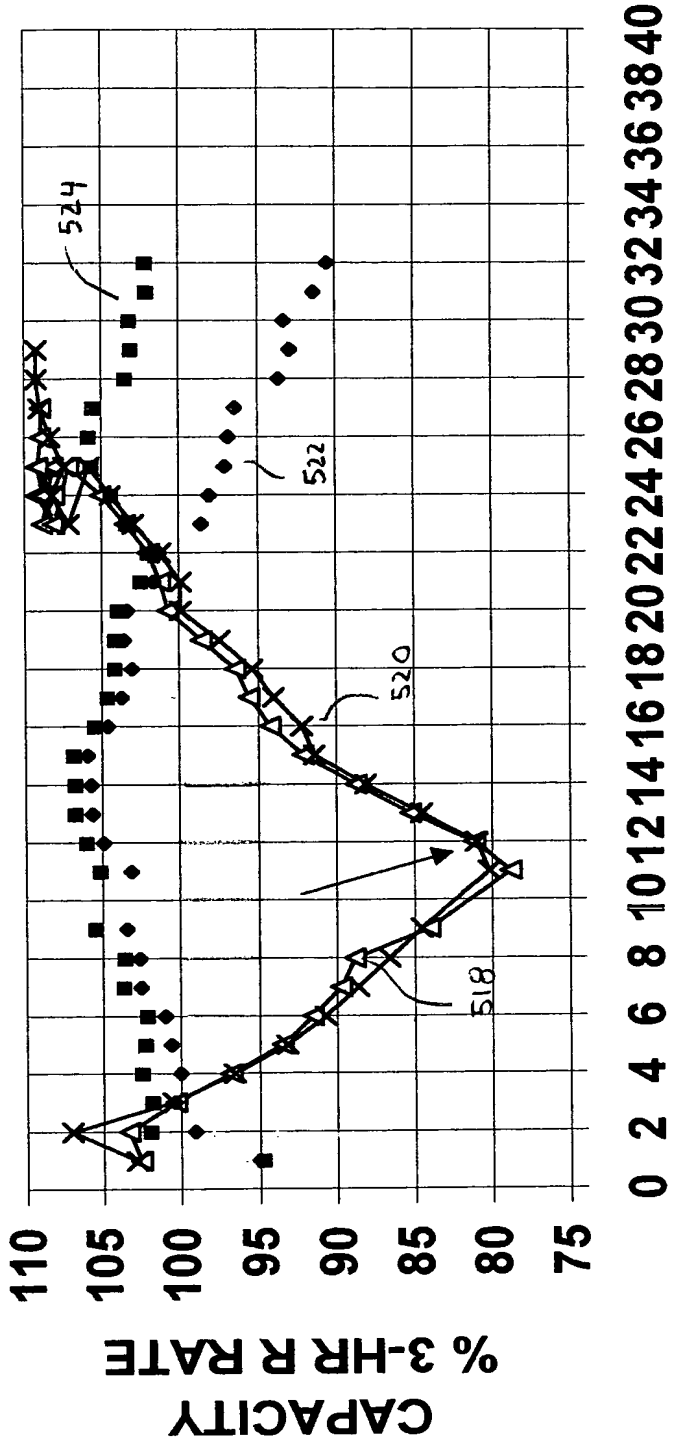

CAPACITY
% 3-HR R RATE
110
105
100
95
90
85
80
75
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40
CYCLE NO.
524
522
520
518

FIG 6